

# #01\_HAC\_E\_GSM850\_GSM Voice\_Ch128

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

## E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 83.69 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.53 dBV/m

**Emission category: M4**

MIF scaled E-field

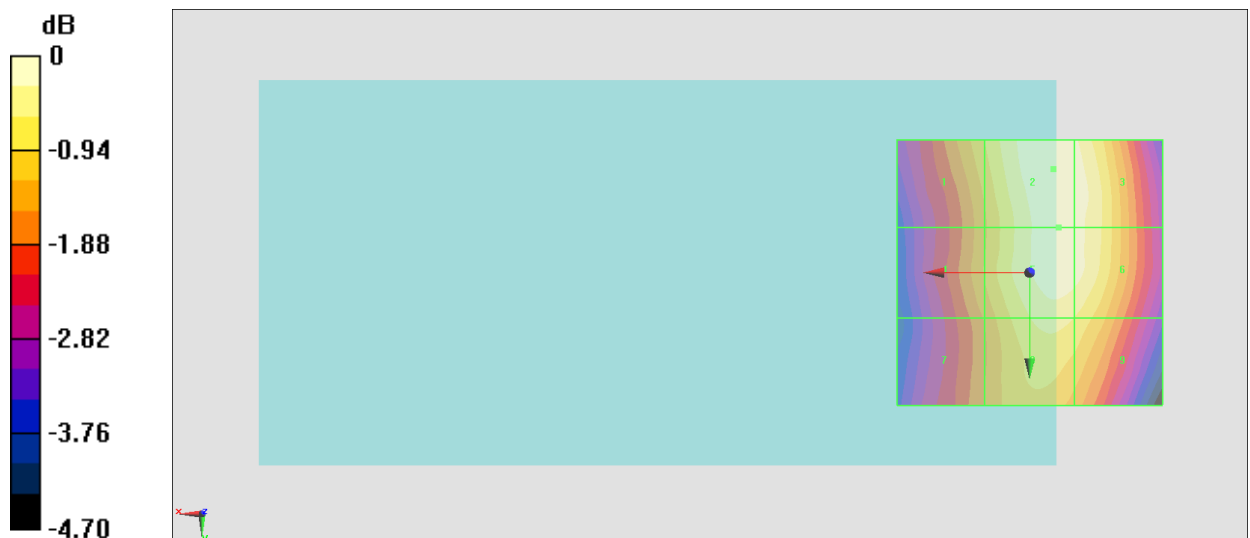
Grid 1 <b>M4</b> <b>38.6 dBV/m</b>	Grid 2 <b>M4</b> <b>39.53 dBV/m</b>	Grid 3 <b>M4</b> <b>39.45 dBV/m</b>
Grid 4 <b>M4</b> <b>38.31 dBV/m</b>	Grid 5 <b>M4</b> <b>39.45 dBV/m</b>	Grid 6 <b>M4</b> <b>39.36 dBV/m</b>
Grid 7 <b>M4</b> <b>38.01 dBV/m</b>	Grid 8 <b>M4</b> <b>39.04 dBV/m</b>	Grid 9 <b>M4</b> <b>38.9 dBV/m</b>

**Cursor:**

Total = 39.53 dBV/m

E Category: M4

Location: -4.5, -19.5, 8.7 mm



0 dB = 94.78 V/m = 39.53 dBV/m

## #02\_HAC\_E\_GSM850\_GSM Voice\_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 836.4 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 91.22 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.52 dBV/m

**Emission category: M3**

MIF scaled E-field

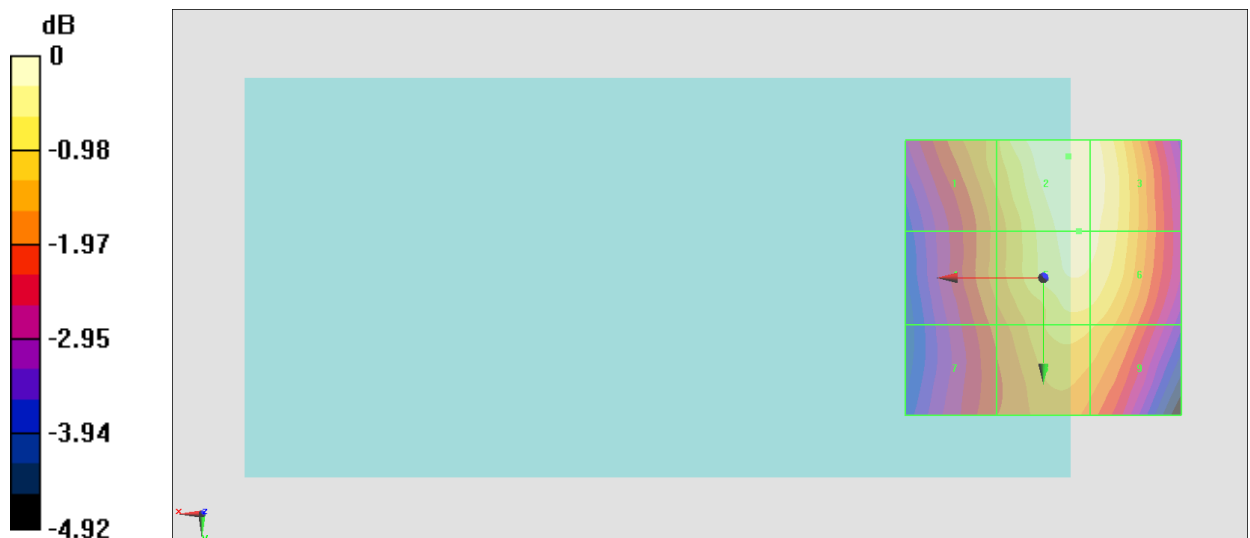
Grid 1 <b>M4</b> <b>39.46 dBV/m</b>	Grid 2 <b>M3</b> <b>40.52 dBV/m</b>	Grid 3 <b>M3</b> <b>40.43 dBV/m</b>
Grid 4 <b>M4</b> <b>39.06 dBV/m</b>	Grid 5 <b>M3</b> <b>40.33 dBV/m</b>	Grid 6 <b>M3</b> <b>40.3 dBV/m</b>
Grid 7 <b>M4</b> <b>38.7 dBV/m</b>	Grid 8 <b>M4</b> <b>39.71 dBV/m</b>	Grid 9 <b>M4</b> <b>39.62 dBV/m</b>

**Cursor:**

Total = 40.52 dBV/m

E Category: M3

Location: -4.5, -22, 8.7 mm



0 dB = 106.2 V/m = 40.52 dBV/m

### #03\_HAC\_E\_GSM850\_GSM Voice\_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 81.92 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.93 dBV/m

**Emission category: M4**

MIF scaled E-field

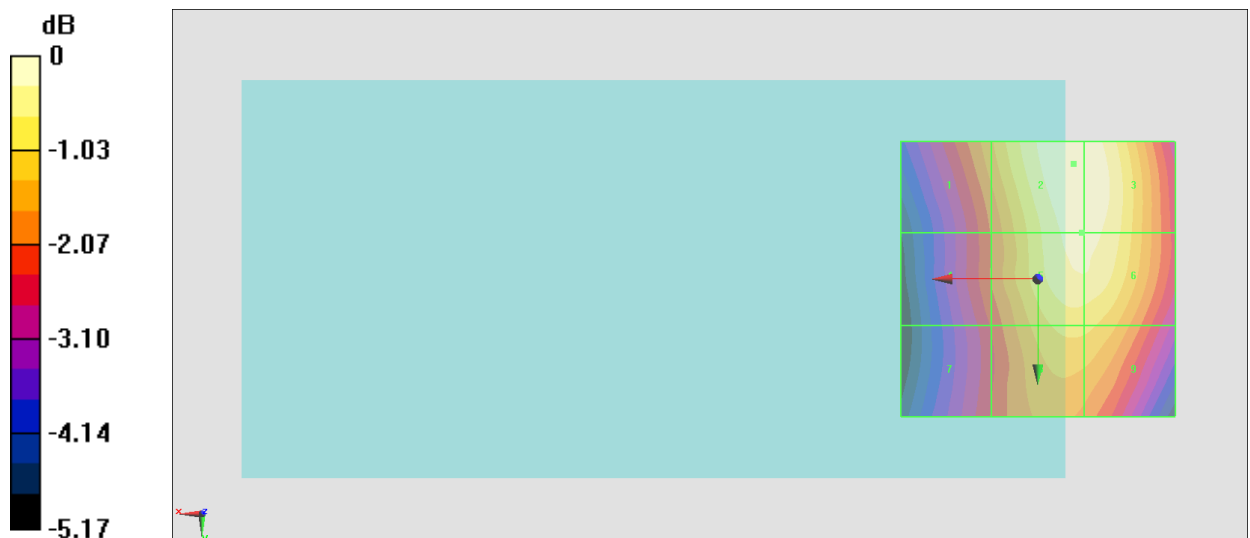
<b>Grid 1 M4</b> <b>38.5 dBV/m</b>	<b>Grid 2 M4</b> <b>39.93 dBV/m</b>	<b>Grid 3 M4</b> <b>39.9 dBV/m</b>
<b>Grid 4 M4</b> <b>37.9 dBV/m</b>	<b>Grid 5 M4</b> <b>39.72 dBV/m</b>	<b>Grid 6 M4</b> <b>39.72 dBV/m</b>
<b>Grid 7 M4</b> <b>37.56 dBV/m</b>	<b>Grid 8 M4</b> <b>39.03 dBV/m</b>	<b>Grid 9 M4</b> <b>39 dBV/m</b>

**Cursor:**

Total = 39.93 dBV/m

E Category: M4

Location: -6.5, -21, 8.7 mm



0 dB = 99.18 V/m = 39.93 dBV/m

### #04\_HAC\_E\_GSM1900\_GSM Voice\_Ch512

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 35.84 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.48 dBV/m

**Emission category: M3**

MIF scaled E-field

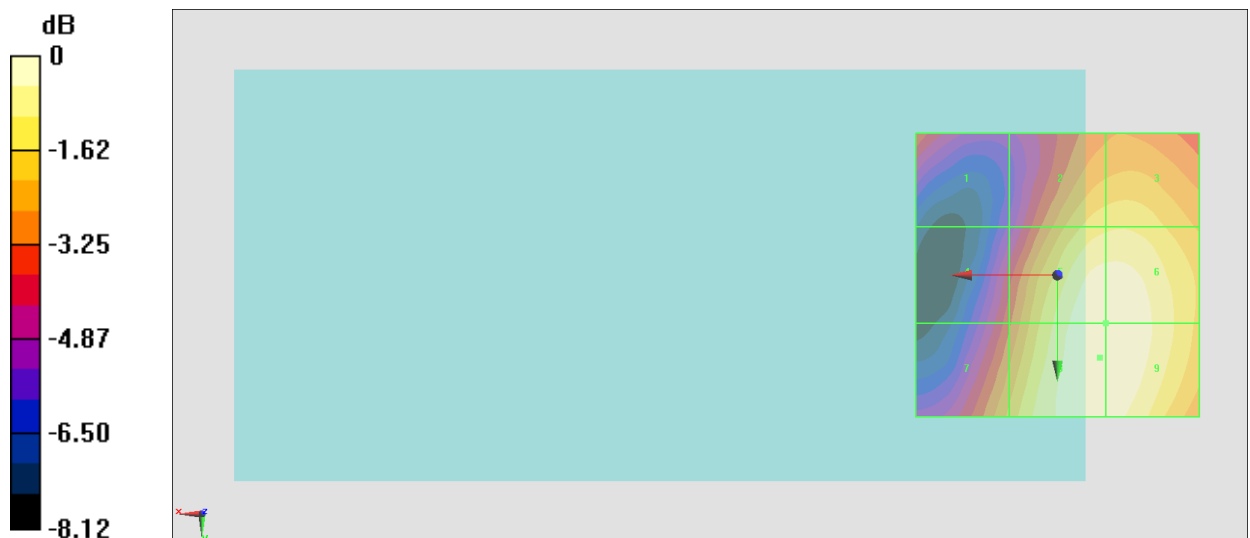
<b>Grid 1 M3</b> <b>30.32 dBV/m</b>	<b>Grid 2 M3</b> <b>32.29 dBV/m</b>	<b>Grid 3 M3</b> <b>32.36 dBV/m</b>
<b>Grid 4 M3</b> <b>30.13 dBV/m</b>	<b>Grid 5 M3</b> <b>33.42 dBV/m</b>	<b>Grid 6 M3</b> <b>33.42 dBV/m</b>
<b>Grid 7 M3</b> <b>31.48 dBV/m</b>	<b>Grid 8 M3</b> <b>33.48 dBV/m</b>	<b>Grid 9 M3</b> <b>33.47 dBV/m</b>

**Cursor:**

Total = 33.48 dBV/m

E Category: M3

Location: -7.5, 14.5, 8.7 mm



0 dB = 47.18 V/m = 33.48 dBV/m

### #05\_HAC\_E\_GSM1900\_GSM Voice\_Ch661

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1)**: Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 37.19 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.87 dBV/m

**Emission category: M3**

MIF scaled E-field

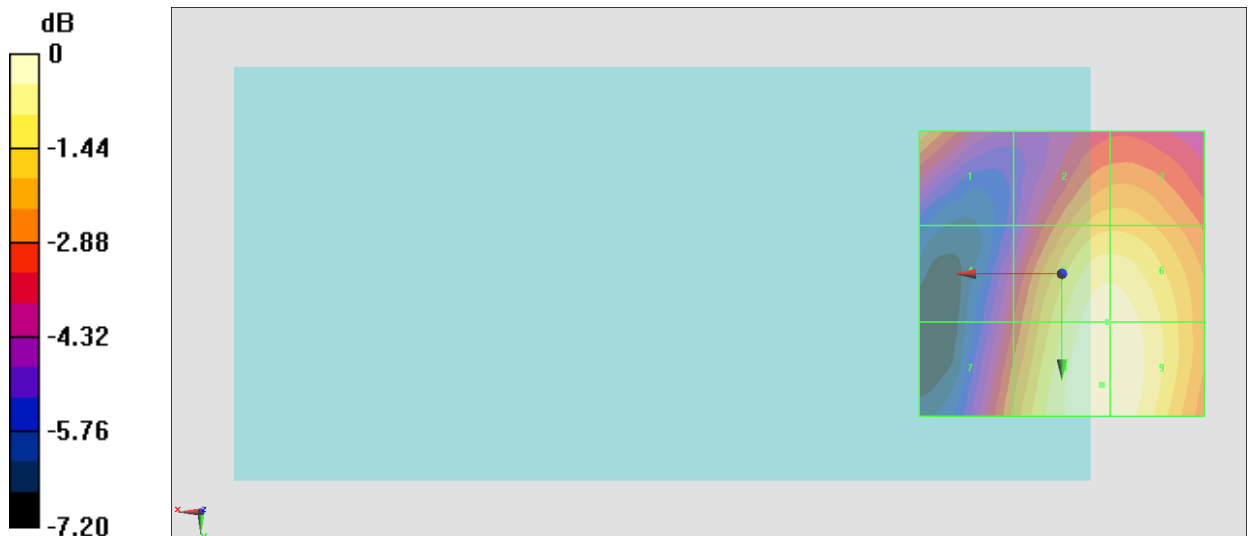
Grid 1 <b>M3</b> <b>31.88 dBV/m</b>	Grid 2 <b>M3</b> <b>32.3 dBV/m</b>	Grid 3 <b>M3</b> <b>32.31 dBV/m</b>
Grid 4 <b>M3</b> <b>30.52 dBV/m</b>	Grid 5 <b>M3</b> <b>33.68 dBV/m</b>	Grid 6 <b>M3</b> <b>33.68 dBV/m</b>
Grid 7 <b>M3</b> <b>31.61 dBV/m</b>	Grid 8 <b>M3</b> <b>33.87 dBV/m</b>	Grid 9 <b>M3</b> <b>33.85 dBV/m</b>

**Cursor:**

Total = 33.87 dBV/m

E Category: M3

Location: -7, 19.5, 8.7 mm



0 dB = 49.36 V/m = 33.87 dBV/m

### #06\_HAC\_E\_GSM1900\_GSM Voice\_Ch810

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896  
 Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.5 °C

**DASY5 Configuration:**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 40.92 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.66 dBV/m

**Emission category: M3**

MIF scaled E-field

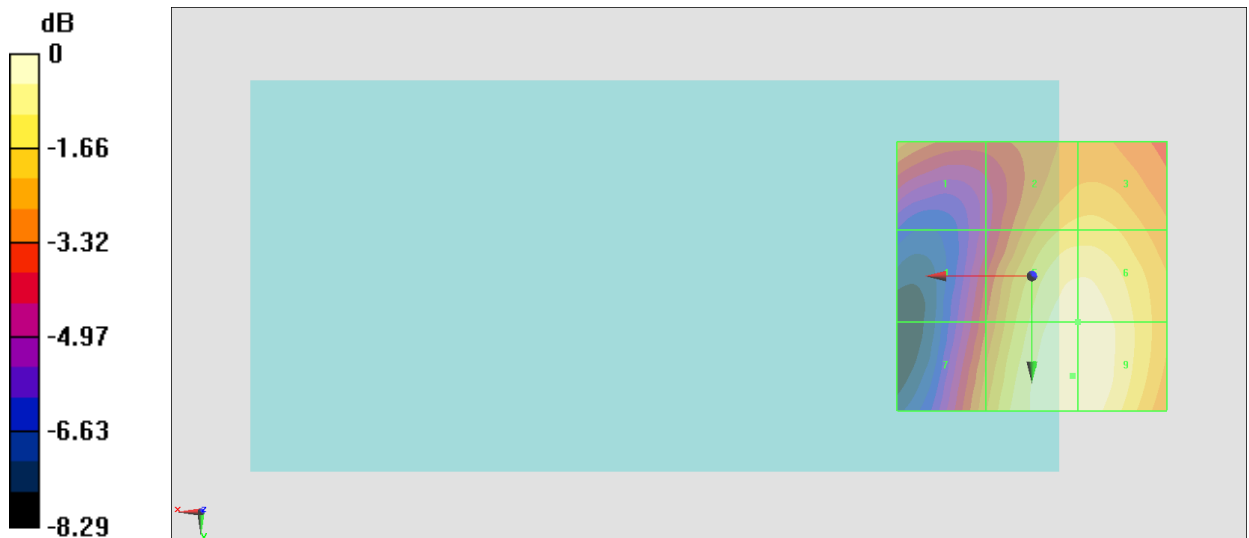
<b>Grid 1 M3</b> <b>32.24 dBV/m</b>	<b>Grid 2 M3</b> <b>33.24 dBV/m</b>	<b>Grid 3 M3</b> <b>33.27 dBV/m</b>
<b>Grid 4 M3</b> <b>31.31 dBV/m</b>	<b>Grid 5 M3</b> <b>34.46 dBV/m</b>	<b>Grid 6 M3</b> <b>34.46 dBV/m</b>
<b>Grid 7 M3</b> <b>32.41 dBV/m</b>	<b>Grid 8 M3</b> <b>34.65 dBV/m</b>	<b>Grid 9 M3</b> <b>34.65 dBV/m</b>

**Cursor:**

Total = 34.65 dBV/m

E Category: M3

Location: -7.5, 18.5, 8.7 mm



0 dB = 54.04 V/m = 34.65 dBV/m

## #07\_HAC\_E\_GSM1900\_GSM Voice\_Ch810;Battery 2

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 36.03 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.69 dBV/m

**Emission category: M3**

MIF scaled E-field

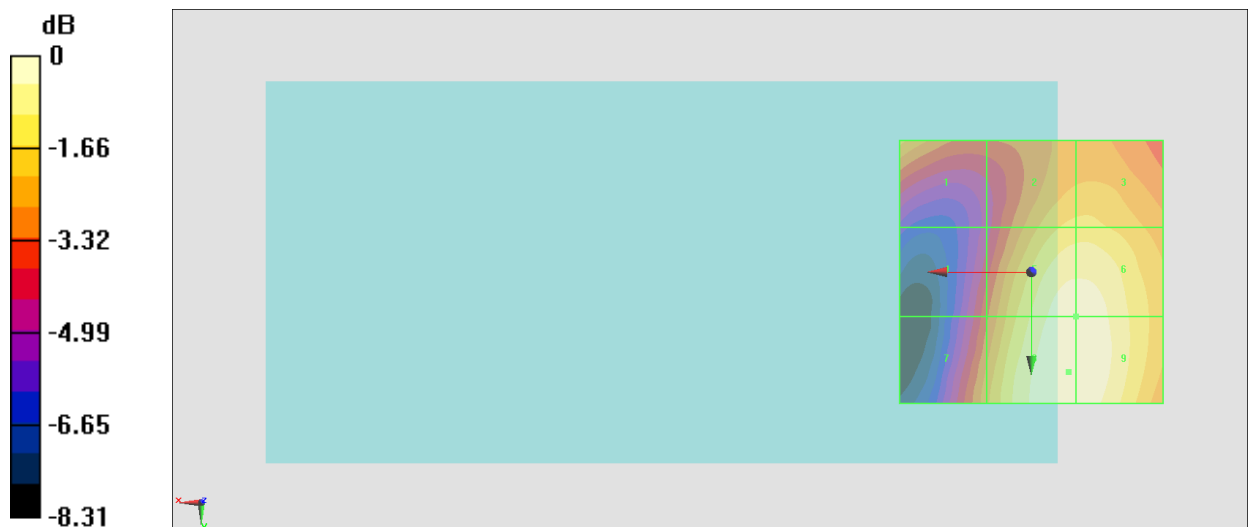
Grid 1 <b>M3</b> <b>31.71 dBV/m</b>	Grid 2 <b>M3</b> <b>32.24 dBV/m</b>	Grid 3 <b>M3</b> <b>32.26 dBV/m</b>
Grid 4 <b>M3</b> <b>30.26 dBV/m</b>	Grid 5 <b>M3</b> <b>33.51 dBV/m</b>	Grid 6 <b>M3</b> <b>33.51 dBV/m</b>
Grid 7 <b>M3</b> <b>31.33 dBV/m</b>	Grid 8 <b>M3</b> <b>33.69 dBV/m</b>	Grid 9 <b>M3</b> <b>33.67 dBV/m</b>

**Cursor:**

Total = 33.69 dBV/m

E Category: M3

Location: -7, 19, 8.7 mm



0 dB = 48.34 V/m = 33.69 dBV/m

### #08\_HAC\_E\_CDMA BC0\_1xRTT, RC1 SO3, 1/8th Rate\_Ch1013

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.7419

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

**DASY5 Configuration:**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 824.7 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 30.48 V/m; Power Drift = -0.04 dB

Applied MIF = 3.26 dB

RF audio interference level = 30.61 dBV/m

**Emission category: M4**

MIF scaled E-field

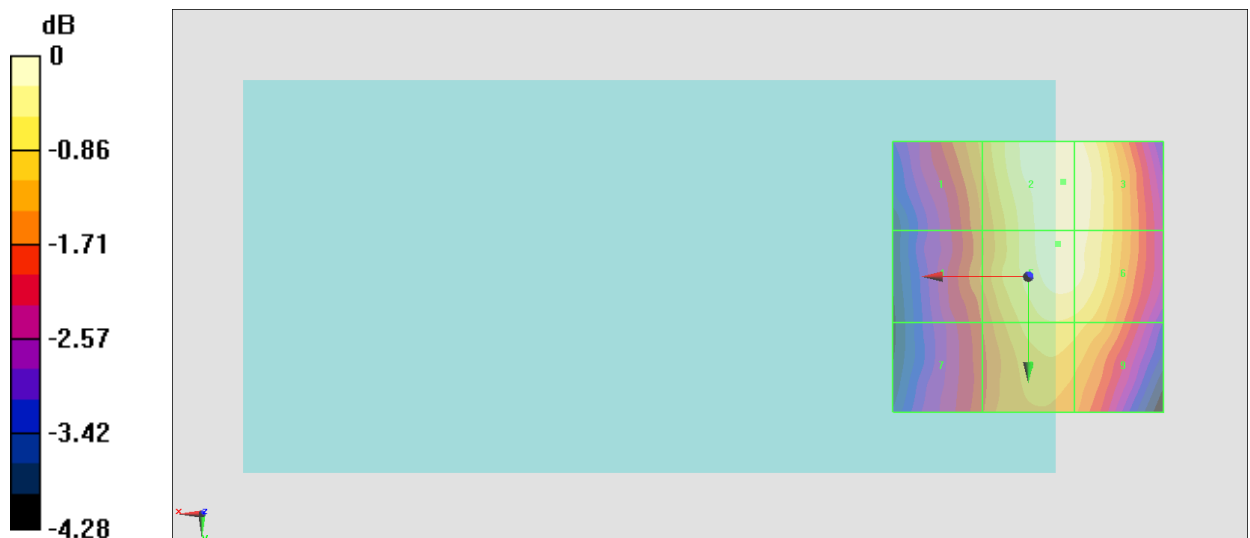
<b>Grid 1 M4</b> <b>29.57 dBV/m</b>	<b>Grid 2 M4</b> <b>30.61 dBV/m</b>	<b>Grid 3 M4</b> <b>30.59 dBV/m</b>
<b>Grid 4 M4</b> <b>29.26 dBV/m</b>	<b>Grid 5 M4</b> <b>30.56 dBV/m</b>	<b>Grid 6 M4</b> <b>30.5 dBV/m</b>
<b>Grid 7 M4</b> <b>28.93 dBV/m</b>	<b>Grid 8 M4</b> <b>30.02 dBV/m</b>	<b>Grid 9 M4</b> <b>29.94 dBV/m</b>

**Cursor:**

Total = 30.61 dBV/m

E Category: M4

Location: -6.5, -17.5, 8.7 mm



0 dB = 33.92 V/m = 30.61 dBV/m

### #09\_HAC\_E\_CDMA BC0\_1xRTT, RC1 SO3, 1/8th Rate\_Ch384

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 MHz; Duty Cycle: 1:17.7419

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

**DASY5 Configuration:**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 836.52 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 29.03 V/m; Power Drift = 0.10 dB

Applied MIF = 3.26 dB

RF audio interference level = 30.65 dBV/m

**Emission category: M4**

MIF scaled E-field

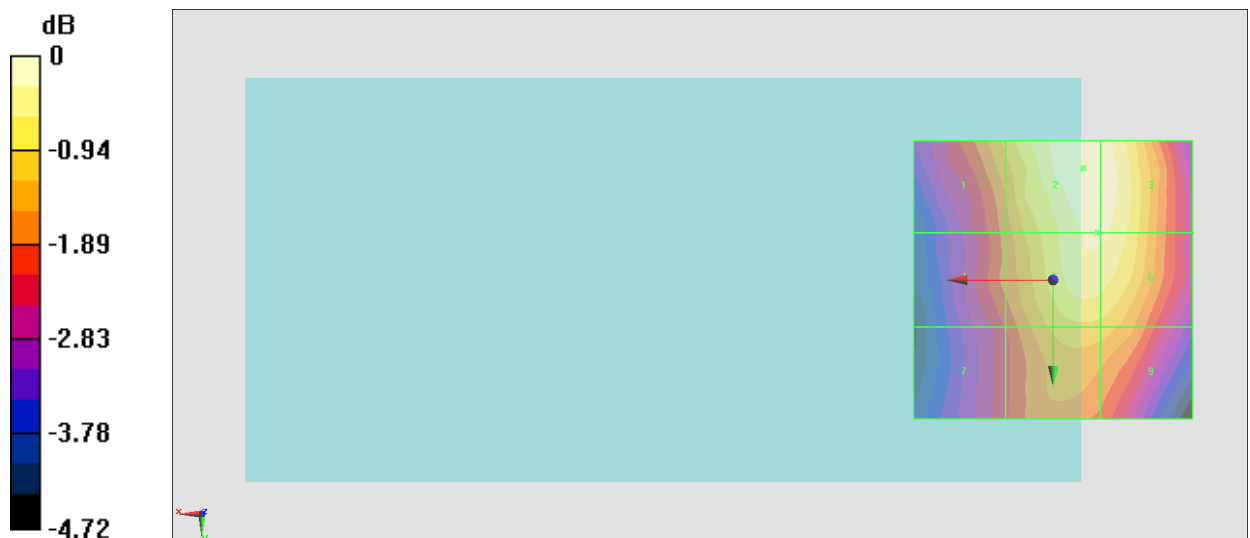
<b>Grid 1 M4</b> <b>29.52 dBV/m</b>	<b>Grid 2 M4</b> <b>30.65 dBV/m</b>	<b>Grid 3 M4</b> <b>30.59 dBV/m</b>
<b>Grid 4 M4</b> <b>28.92 dBV/m</b>	<b>Grid 5 M4</b> <b>30.4 dBV/m</b>	<b>Grid 6 M4</b> <b>30.4 dBV/m</b>
<b>Grid 7 M4</b> <b>28.47 dBV/m</b>	<b>Grid 8 M4</b> <b>29.63 dBV/m</b>	<b>Grid 9 M4</b> <b>29.58 dBV/m</b>

**Cursor:**

Total = 30.65 dBV/m

E Category: M4

Location: -5.5, -20, 8.7 mm



0 dB = 34.09 V/m = 30.65 dBV/m

### #10\_HAC\_E\_CDMA BC0\_1xRTT, RC1 SO3, 1/8th Rate\_Ch777

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.7419

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 848.31 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25.77 V/m; Power Drift = 0.04 dB

Applied MIF = 3.26 dB

RF audio interference level = 29.91 dBV/m

**Emission category: M4**

MIF scaled E-field

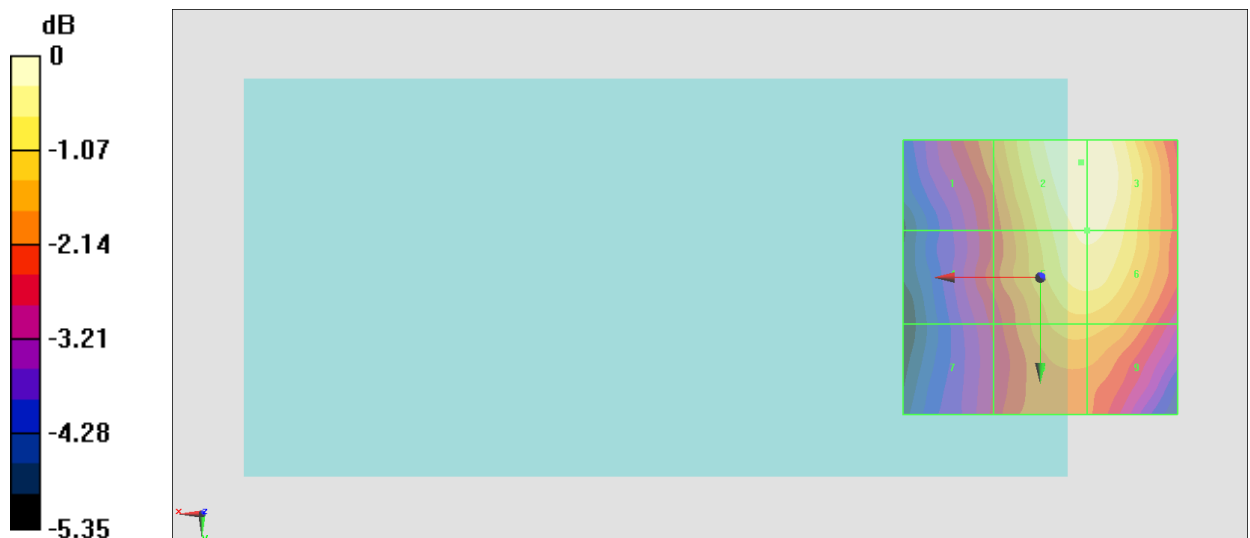
<b>Grid 1 M4</b> <b>28.2 dBV/m</b>	<b>Grid 2 M4</b> <b>29.91 dBV/m</b>	<b>Grid 3 M4</b> <b>29.9 dBV/m</b>
<b>Grid 4 M4</b> <b>27.64 dBV/m</b>	<b>Grid 5 M4</b> <b>29.65 dBV/m</b>	<b>Grid 6 M4</b> <b>29.65 dBV/m</b>
<b>Grid 7 M4</b> <b>27.18 dBV/m</b>	<b>Grid 8 M4</b> <b>28.7 dBV/m</b>	<b>Grid 9 M4</b> <b>28.69 dBV/m</b>

**Cursor:**

Total = 29.91 dBV/m

E Category: M4

Location: -7.5, -21, 8.7 mm



0 dB = 31.30 V/m = 29.91 dBV/m

### #11\_HAC\_E\_CDMA BC1\_1xRTT, RC1 SO3, 1/8th Rate\_Ch25

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.7419

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1851.25 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.60 V/m; Power Drift = 0.02 dB

Applied MIF = 3.26 dB

RF audio interference level = 27.42 dBV/m

**Emission category: M4**

MIF scaled E-field

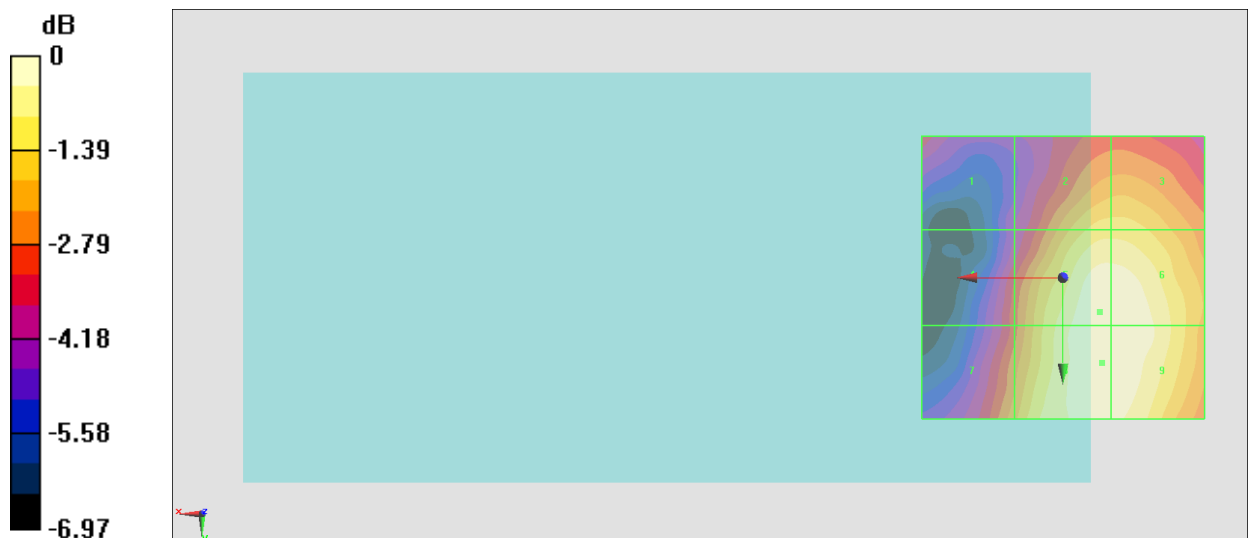
<b>Grid 1 M4</b> <b>24.13 dBV/m</b>	<b>Grid 2 M4</b> <b>26.31 dBV/m</b>	<b>Grid 3 M4</b> <b>26.31 dBV/m</b>
<b>Grid 4 M4</b> <b>24.5 dBV/m</b>	<b>Grid 5 M4</b> <b>27.34 dBV/m</b>	<b>Grid 6 M4</b> <b>27.31 dBV/m</b>
<b>Grid 7 M4</b> <b>25.46 dBV/m</b>	<b>Grid 8 M4</b> <b>27.42 dBV/m</b>	<b>Grid 9 M4</b> <b>27.4 dBV/m</b>

**Cursor:**

Total = 27.42 dBV/m

E Category: M4

Location: -7, 15, 8.7 mm



0 dB = 23.50 V/m = 27.42 dBV/m

### #12\_HAC\_E\_CDMA BC1\_1xRTT, RC1 SO3, 1/8th Rate\_Ch600

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.7419  
 Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.5 °C

**DASY5 Configuration:**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.79 V/m; Power Drift = 0.07 dB

Applied MIF = 3.26 dB

RF audio interference level = 27.60 dBV/m

**Emission category: M4**

MIF scaled E-field

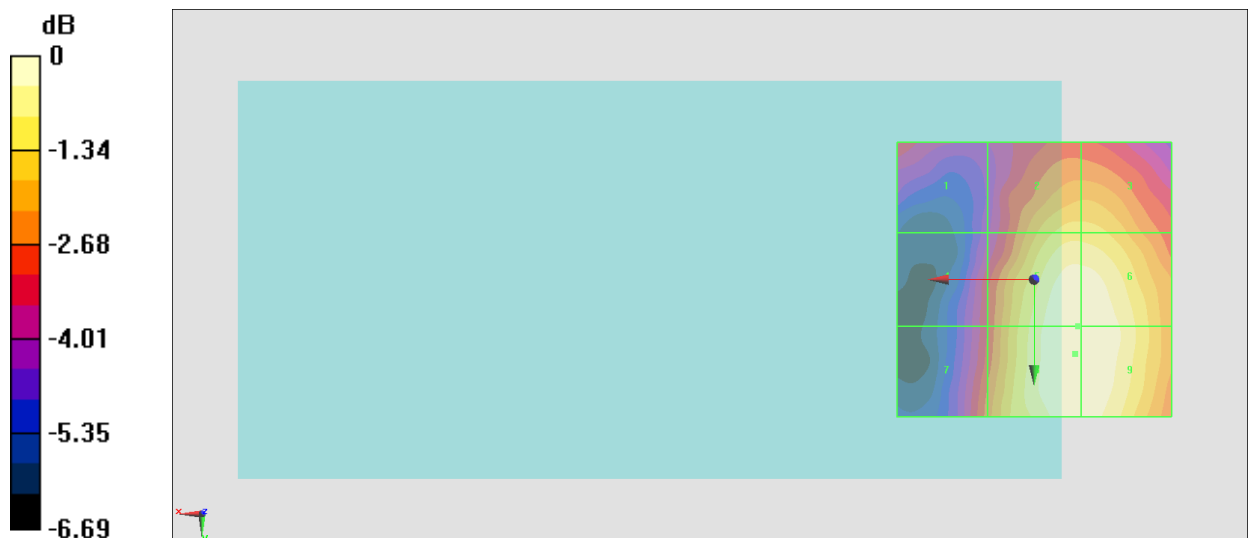
<b>Grid 1 M4</b> <b>24.62 dBV/m</b>	<b>Grid 2 M4</b> <b>26.54 dBV/m</b>	<b>Grid 3 M4</b> <b>26.53 dBV/m</b>
<b>Grid 4 M4</b> <b>24.52 dBV/m</b>	<b>Grid 5 M4</b> <b>27.57 dBV/m</b>	<b>Grid 6 M4</b> <b>27.57 dBV/m</b>
<b>Grid 7 M4</b> <b>25.15 dBV/m</b>	<b>Grid 8 M4</b> <b>27.6 dBV/m</b>	<b>Grid 9 M4</b> <b>27.6 dBV/m</b>

**Cursor:**

Total = 27.60 dBV/m

E Category: M4

Location: -7.5, 13.5, 8.7 mm



0 dB = 24.00 V/m = 27.60 dBV/m

### #13\_HAC\_E\_CDMA BC1\_1xRTT, RC1 SO3, 1/8th Rate\_Ch1175

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.7419

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1908.75 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.77 V/m; Power Drift = 0.03 dB

Applied MIF = 3.26 dB

RF audio interference level = 27.48 dBV/m

**Emission category: M4**

MIF scaled E-field

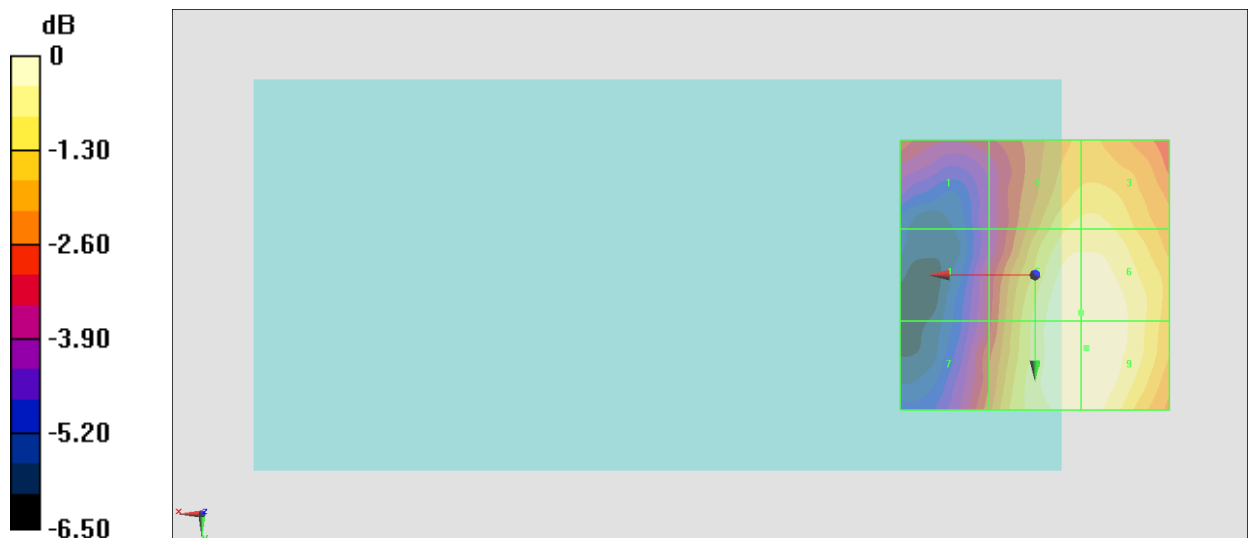
<b>Grid 1 M4</b> <b>24.81 dBV/m</b>	<b>Grid 2 M4</b> <b>26.79 dBV/m</b>	<b>Grid 3 M4</b> <b>26.82 dBV/m</b>
<b>Grid 4 M4</b> <b>24.31 dBV/m</b>	<b>Grid 5 M4</b> <b>27.47 dBV/m</b>	<b>Grid 6 M4</b> <b>27.47 dBV/m</b>
<b>Grid 7 M4</b> <b>25.18 dBV/m</b>	<b>Grid 8 M4</b> <b>27.48 dBV/m</b>	<b>Grid 9 M4</b> <b>27.48 dBV/m</b>

**Cursor:**

Total = 27.48 dBV/m

E Category: M4

Location: -9.5, 13.5, 8.7 mm



0 dB = 23.66 V/m = 27.48 dBV/m

### #14\_HAC\_E\_CDMA BC10\_1xRTT, RC1 SO3, 1/8th Rate\_Ch476

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.9 MHz; Duty Cycle: 1:17.7419

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

**DASY5 Configuration:**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 817.9 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test**

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 30.42 V/m; Power Drift = 0.06 dB

Applied MIF = 3.26 dB

RF audio interference level = 30.53 dBV/m

**Emission category: M4**

MIF scaled E-field

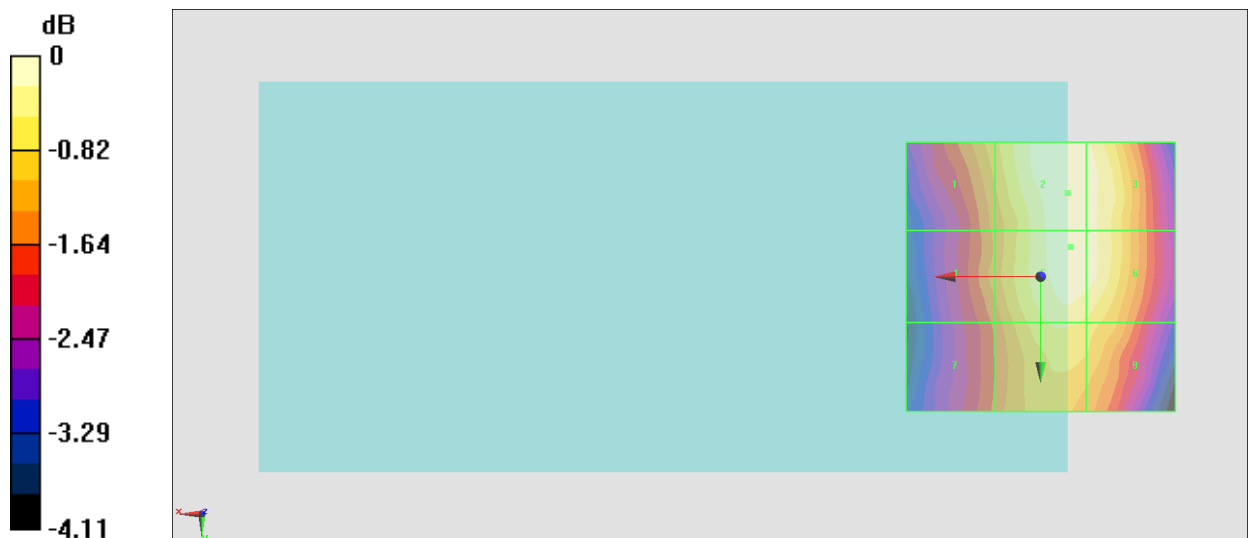
<b>Grid 1 M4</b> <b>29.64 dBV/m</b>	<b>Grid 2 M4</b> <b>30.53 dBV/m</b>	<b>Grid 3 M4</b> <b>30.41 dBV/m</b>
<b>Grid 4 M4</b> <b>29.31 dBV/m</b>	<b>Grid 5 M4</b> <b>30.51 dBV/m</b>	<b>Grid 6 M4</b> <b>30.41 dBV/m</b>
<b>Grid 7 M4</b> <b>28.98 dBV/m</b>	<b>Grid 8 M4</b> <b>30.03 dBV/m</b>	<b>Grid 9 M4</b> <b>29.91 dBV/m</b>

**Cursor:**

Total = 30.53 dBV/m

E Category: M4

Location: -5, -15.5, 8.7 mm



0 dB = 33.60 V/m = 30.53 dBV/m

### #15\_HAC\_E\_CDMA BC10\_1xRTT, RC1 SO3, 1/8th Rate\_Ch580

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820.5 MHz; Duty Cycle: 1:17.7419

Medium: Air Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 820.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 31.89 V/m; Power Drift = -0.05 dB

Applied MIF = 3.26 dB

RF audio interference level = 30.92 dBV/m

**Emission category: M4**

MIF scaled E-field

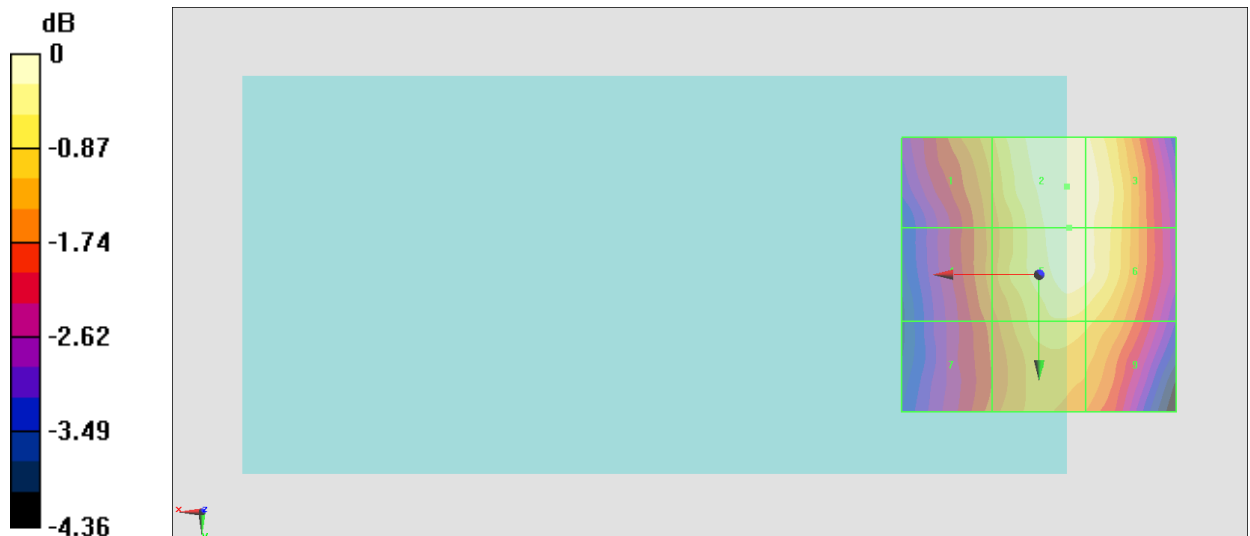
Grid 1 <b>M4</b> <b>30.02 dBV/m</b>	Grid 2 <b>M4</b> <b>30.92 dBV/m</b>	Grid 3 <b>M4</b> <b>30.83 dBV/m</b>
Grid 4 <b>M4</b> <b>29.64 dBV/m</b>	Grid 5 <b>M4</b> <b>30.77 dBV/m</b>	Grid 6 <b>M4</b> <b>30.74 dBV/m</b>
Grid 7 <b>M4</b> <b>29.34 dBV/m</b>	Grid 8 <b>M4</b> <b>30.31 dBV/m</b>	Grid 9 <b>M4</b> <b>30.15 dBV/m</b>

**Cursor:**

Total = 30.92 dBV/m

E Category: M4

Location: -5, -16, 8.7 mm



0 dB = 35.15 V/m = 30.92 dBV/m

### #16\_HAC\_E\_CDMA BC10\_1xRTT, RC1 SO3, 1/8th Rate\_Ch684

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 823.1 MHz; Duty Cycle: 1:17.7419

Medium: Air Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 823.1 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 31.85 V/m; Power Drift = 0.11 dB

Applied MIF = 3.26 dB

RF audio interference level = 31.05 dBV/m

**Emission category: M4**

MIF scaled E-field

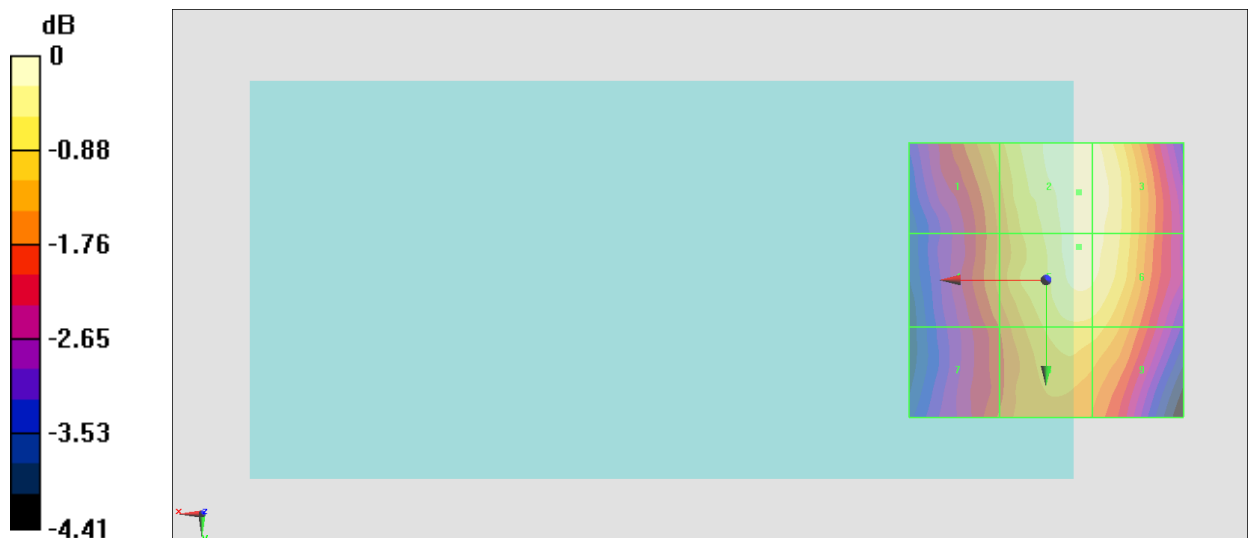
<b>Grid 1 M4</b> <b>30.09 dBV/m</b>	<b>Grid 2 M4</b> <b>31.05 dBV/m</b>	<b>Grid 3 M4</b> <b>31 dBV/m</b>
<b>Grid 4 M4</b> <b>29.69 dBV/m</b>	<b>Grid 5 M4</b> <b>30.94 dBV/m</b>	<b>Grid 6 M4</b> <b>30.89 dBV/m</b>
<b>Grid 7 M4</b> <b>29.34 dBV/m</b>	<b>Grid 8 M4</b> <b>30.39 dBV/m</b>	<b>Grid 9 M4</b> <b>30.34 dBV/m</b>

**Cursor:**

Total = 31.05 dBV/m

E Category: M4

Location: -6, -16, 8.7 mm



0 dB = 35.70 V/m = 31.05 dBV/m

### #17\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch39750

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2506 MHz; Duty Cycle: 1:8.33681

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

**DASY5 Configuration:**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test**

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.29 V/m; Power Drift = -0.05 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.70 dBV/m

**Emission category: M4**

MIF scaled E-field

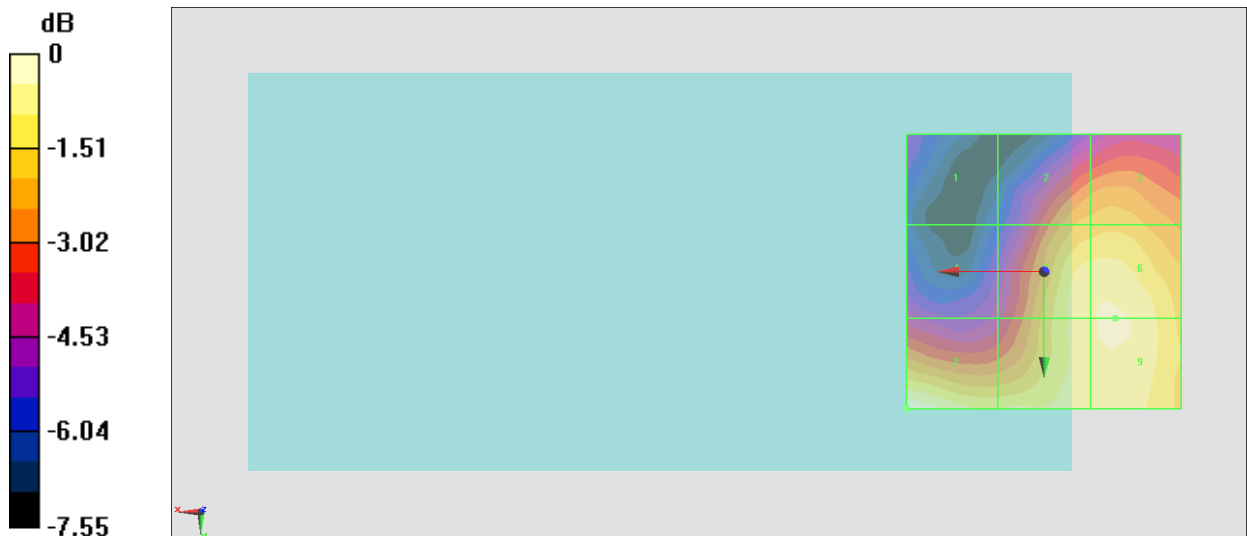
<b>Grid 1 M4</b> <b>18.9 dBV/m</b>	<b>Grid 2 M4</b> <b>21.94 dBV/m</b>	<b>Grid 3 M4</b> <b>22.08 dBV/m</b>
<b>Grid 4 M4</b> <b>19.52 dBV/m</b>	<b>Grid 5 M4</b> <b>23.15 dBV/m</b>	<b>Grid 6 M4</b> <b>23.27 dBV/m</b>
<b>Grid 7 M4</b> <b>23.7 dBV/m</b>	<b>Grid 8 M4</b> <b>23.14 dBV/m</b>	<b>Grid 9 M4</b> <b>23.29 dBV/m</b>

**Cursor:**

Total = 23.70 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 15.31 V/m = 23.70 dBV/m

### #18\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40185

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz; Duty Cycle: 1:8.33681

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.45 V/m; Power Drift = 0.00 dB

Applied MIF = -1.62 dB

RF audio interference level = 21.87 dBV/m

**Emission category: M4**

MIF scaled E-field

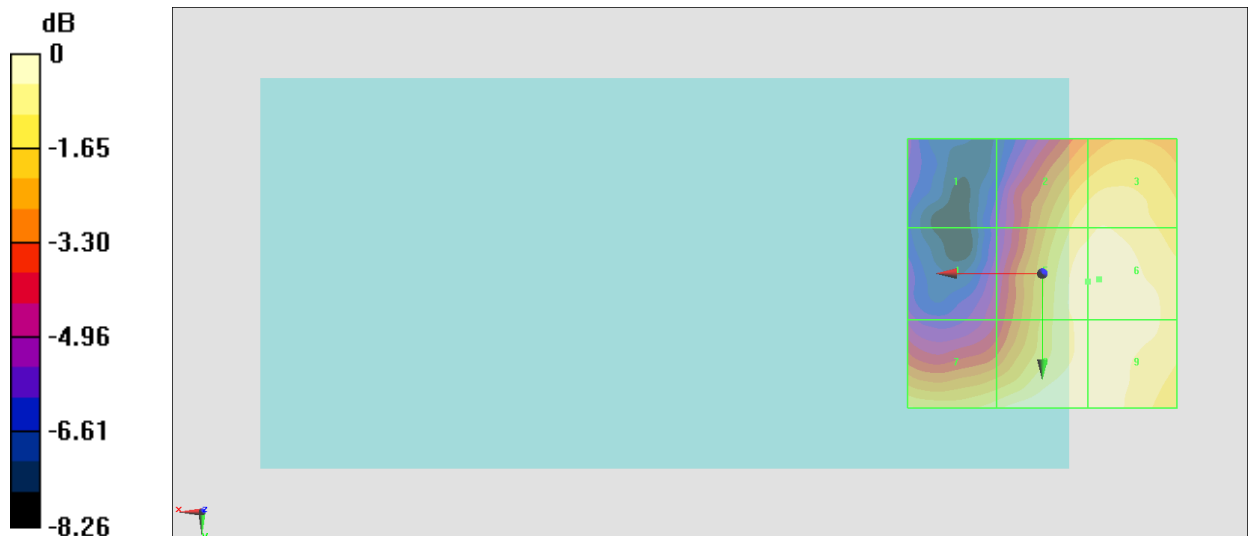
Grid 1 <b>M4</b> <b>16.75 dBV/m</b>	Grid 2 <b>M4</b> <b>21.19 dBV/m</b>	Grid 3 <b>M4</b> <b>21.34 dBV/m</b>
Grid 4 <b>M4</b> <b>17.51 dBV/m</b>	Grid 5 <b>M4</b> <b>21.76 dBV/m</b>	Grid 6 <b>M4</b> <b>21.87 dBV/m</b>
Grid 7 <b>M4</b> <b>21.14 dBV/m</b>	Grid 8 <b>M4</b> <b>21.77 dBV/m</b>	Grid 9 <b>M4</b> <b>21.77 dBV/m</b>

**Cursor:**

Total = 21.87 dBV/m

E Category: M4

Location: -10.5, 1, 8.7 mm



0 dB = 12.40 V/m = 21.87 dBV/m

### #19\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40620

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2593 MHz; Duty Cycle: 1:8.33681

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

**DASY5 Configuration:**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.69 V/m; Power Drift = -0.06 dB

Applied MIF = -1.62 dB

RF audio interference level = 21.05 dBV/m

**Emission category: M4**

MIF scaled E-field

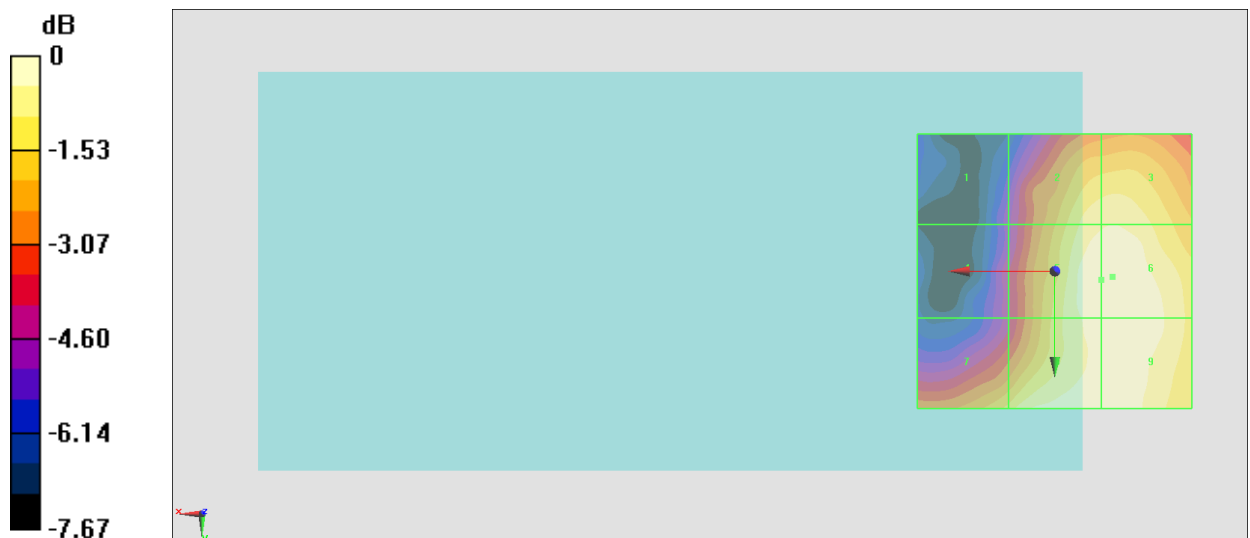
<b>Grid 1 M4</b> <b>16.28 dBV/m</b>	<b>Grid 2 M4</b> <b>20.48 dBV/m</b>	<b>Grid 3 M4</b> <b>20.54 dBV/m</b>
<b>Grid 4 M4</b> <b>16.95 dBV/m</b>	<b>Grid 5 M4</b> <b>21.01 dBV/m</b>	<b>Grid 6 M4</b> <b>21.05 dBV/m</b>
<b>Grid 7 M4</b> <b>19.72 dBV/m</b>	<b>Grid 8 M4</b> <b>20.95 dBV/m</b>	<b>Grid 9 M4</b> <b>20.96 dBV/m</b>

**Cursor:**

Total = 21.05 dBV/m

E Category: M4

Location: -10.5, 1, 8.7 mm



0 dB = 11.28 V/m = 21.05 dBV/m

## #20\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch41055

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2636.5 MHz; Duty Cycle: 1:8.33681

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.47 V/m; Power Drift = -0.15 dB

Applied MIF = -1.62 dB

RF audio interference level = 20.98 dBV/m

**Emission category: M4**

MIF scaled E-field

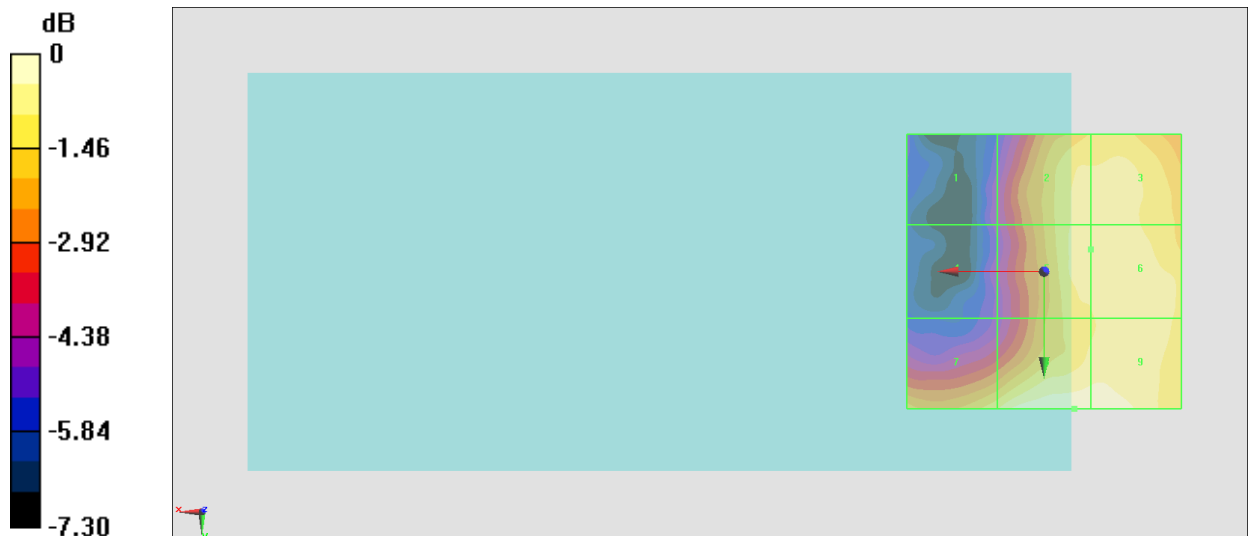
Grid 1 <b>M4</b> <b>16.67 dBV/m</b>	Grid 2 <b>M4</b> <b>20.37 dBV/m</b>	Grid 3 <b>M4</b> <b>20.41 dBV/m</b>
Grid 4 <b>M4</b> <b>16.59 dBV/m</b>	Grid 5 <b>M4</b> <b>20.41 dBV/m</b>	Grid 6 <b>M4</b> <b>20.47 dBV/m</b>
Grid 7 <b>M4</b> <b>20.01 dBV/m</b>	Grid 8 <b>M4</b> <b>20.98 dBV/m</b>	Grid 9 <b>M4</b> <b>20.97 dBV/m</b>

**Cursor:**

Total = 20.98 dBV/m

E Category: M4

Location: -5.5, 25, 8.7 mm



0 dB = 11.20 V/m = 20.98 dBV/m

### #21\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch41490

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2680 MHz; Duty Cycle: 1:8.33681

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.85 V/m; Power Drift = 0.07 dB

Applied MIF = -1.62 dB

RF audio interference level = 20.22 dBV/m

**Emission category: M4**

MIF scaled E-field

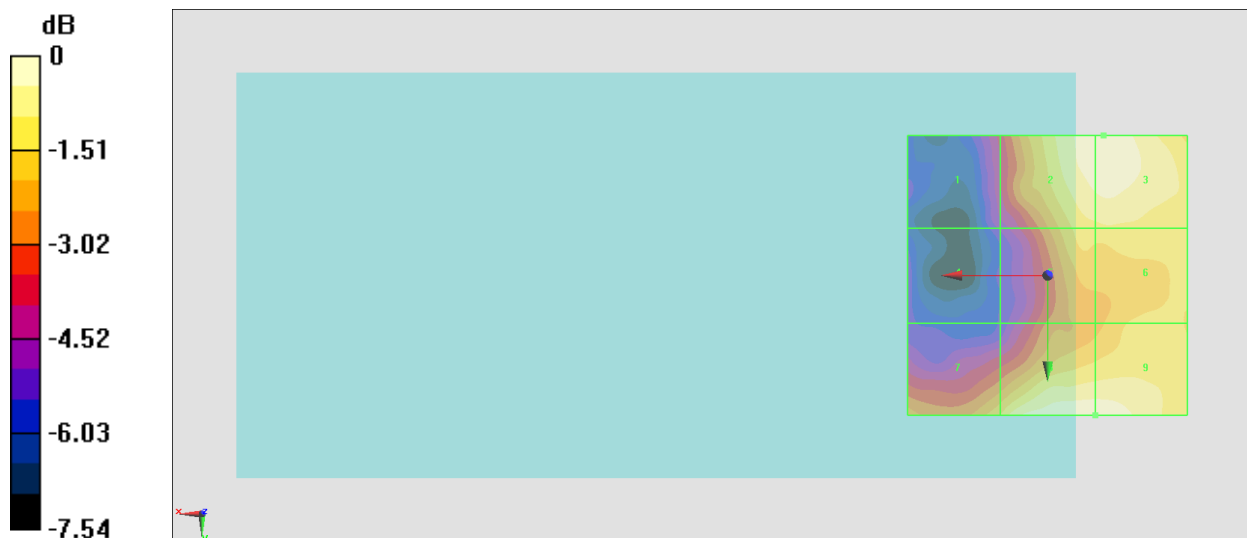
<b>Grid 1 M4</b> <b>16.45 dBV/m</b>	<b>Grid 2 M4</b> <b>19.99 dBV/m</b>	<b>Grid 3 M4</b> <b>20.02 dBV/m</b>
<b>Grid 4 M4</b> <b>15.36 dBV/m</b>	<b>Grid 5 M4</b> <b>19.09 dBV/m</b>	<b>Grid 6 M4</b> <b>19.16 dBV/m</b>
<b>Grid 7 M4</b> <b>18.76 dBV/m</b>	<b>Grid 8 M4</b> <b>20.22 dBV/m</b>	<b>Grid 9 M4</b> <b>20.22 dBV/m</b>

**Cursor:**

Total = 20.22 dBV/m

E Category: M4

Location: -8.5, 25, 8.7 mm



0 dB = 10.26 V/m = 20.22 dBV/m

## #22\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch39750

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2506 MHz; Duty Cycle: 1:8.33681

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

### DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.22 V/m; Power Drift = -0.03 dB

Applied MIF = -1.62 dB

RF audio interference level = 22.15 dBV/m

**Emission category: M4**

MIF scaled E-field

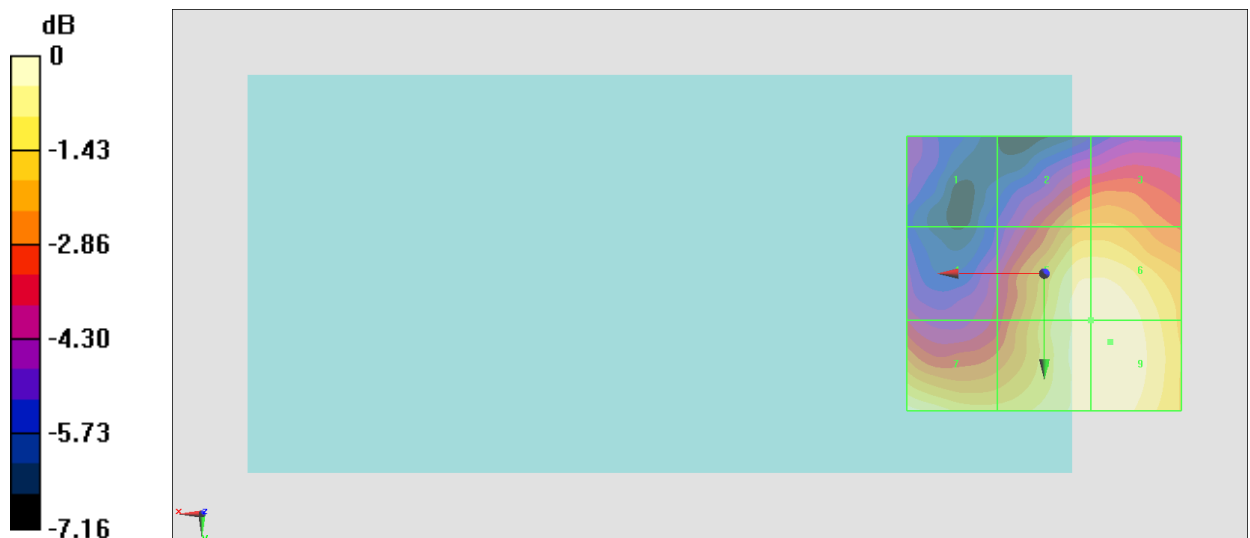
<b>Grid 1 M4</b> <b>17.92 dBV/m</b>	<b>Grid 2 M4</b> <b>20.35 dBV/m</b>	<b>Grid 3 M4</b> <b>20.38 dBV/m</b>
<b>Grid 4 M4</b> <b>18.61 dBV/m</b>	<b>Grid 5 M4</b> <b>21.99 dBV/m</b>	<b>Grid 6 M4</b> <b>22.07 dBV/m</b>
<b>Grid 7 M4</b> <b>21.92 dBV/m</b>	<b>Grid 8 M4</b> <b>22.05 dBV/m</b>	<b>Grid 9 M4</b> <b>22.15 dBV/m</b>

**Cursor:**

Total = 22.15 dBV/m

E Category: M4

Location: -12, 12.5, 8.7 mm



0 dB = 12.81 V/m = 22.15 dBV/m

### #23\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40185

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz; Duty Cycle: 1:8.33681

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.52 V/m; Power Drift = 0.04 dB

Applied MIF = -1.62 dB

RF audio interference level = 21.06 dBV/m

**Emission category: M4**

MIF scaled E-field

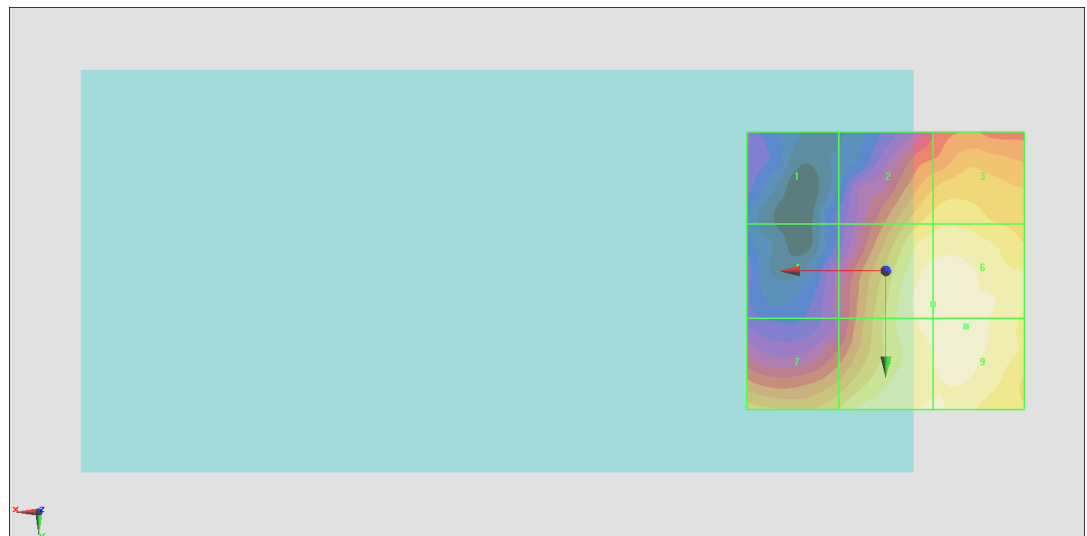
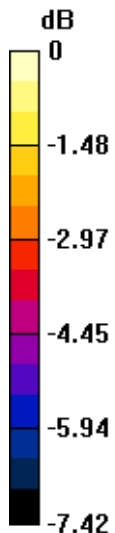
Grid 1 <b>M4</b> <b>16.25 dBV/m</b>	Grid 2 <b>M4</b> <b>19.9 dBV/m</b>	Grid 3 <b>M4</b> <b>20.06 dBV/m</b>
Grid 4 <b>M4</b> <b>16.95 dBV/m</b>	Grid 5 <b>M4</b> <b>20.8 dBV/m</b>	Grid 6 <b>M4</b> <b>20.98 dBV/m</b>
Grid 7 <b>M4</b> <b>19.6 dBV/m</b>	Grid 8 <b>M4</b> <b>20.72 dBV/m</b>	Grid 9 <b>M4</b> <b>21.06 dBV/m</b>

**Cursor:**

Total = 21.06 dBV/m

E Category: M4

Location: -14.5, 10, 8.7 mm



0 dB = 11.30 V/m = 21.06 dBV/m

### #24\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40620

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2593 MHz; Duty Cycle: 1:8.33681

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.56 V/m; Power Drift = -0.14 dB

Applied MIF = -1.62 dB

RF audio interference level = 20.20 dBV/m

**Emission category: M4**

MIF scaled E-field

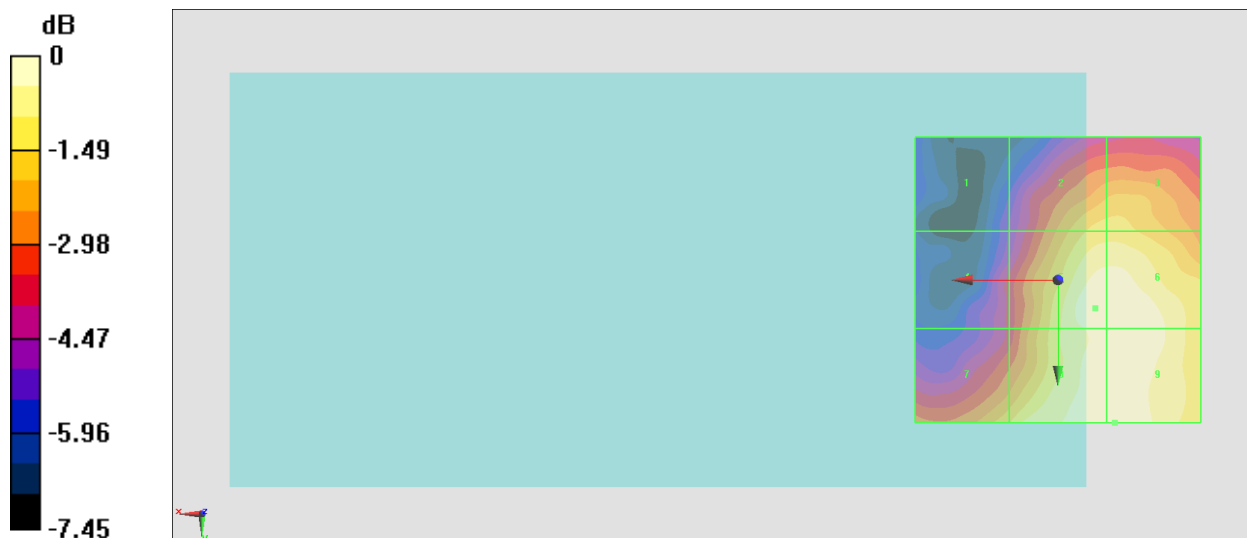
<b>Grid 1 M4</b> <b>15.37 dBV/m</b>	<b>Grid 2 M4</b> <b>19.03 dBV/m</b>	<b>Grid 3 M4</b> <b>19.06 dBV/m</b>
<b>Grid 4 M4</b> <b>16.53 dBV/m</b>	<b>Grid 5 M4</b> <b>20.15 dBV/m</b>	<b>Grid 6 M4</b> <b>20.16 dBV/m</b>
<b>Grid 7 M4</b> <b>18.72 dBV/m</b>	<b>Grid 8 M4</b> <b>20.16 dBV/m</b>	<b>Grid 9 M4</b> <b>20.2 dBV/m</b>

**Cursor:**

Total = 20.20 dBV/m

E Category: M4

Location: -10, 25, 8.7 mm



0 dB = 10.24 V/m = 20.21 dBV/m

### #25\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch41055

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2636.5 MHz; Duty Cycle: 1:8.33681

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.84 V/m; Power Drift = -0.04 dB

Applied MIF = -1.62 dB

RF audio interference level = 18.97 dBV/m

**Emission category: M4**

MIF scaled E-field

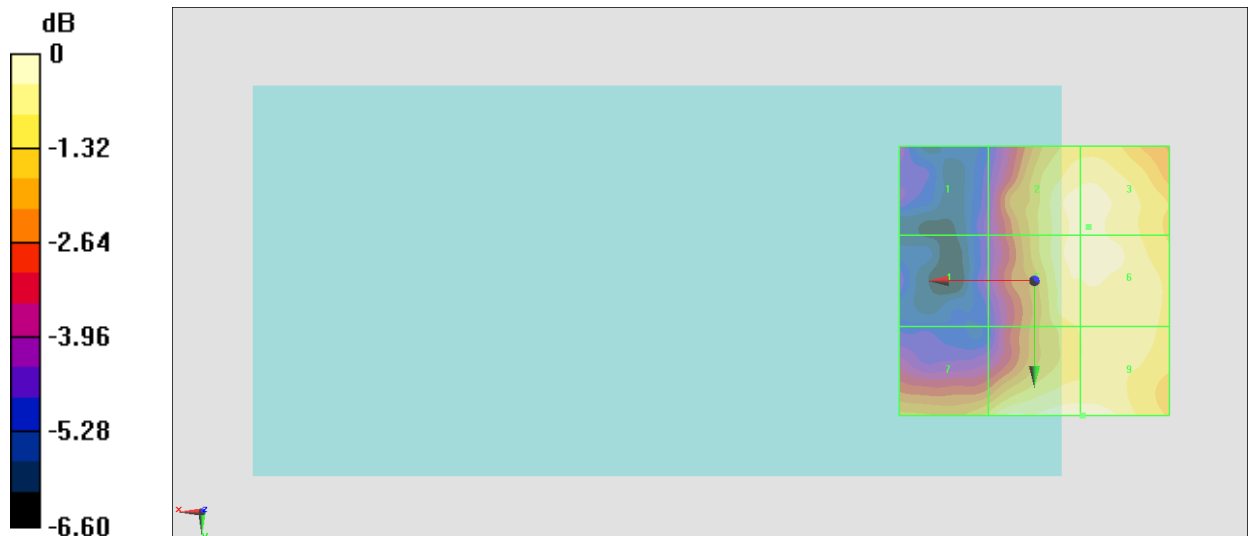
Grid 1 <b>M4</b> <b>15.32 dBV/m</b>	Grid 2 <b>M4</b> <b>18.77 dBV/m</b>	Grid 3 <b>M4</b> <b>18.84 dBV/m</b>
Grid 4 <b>M4</b> <b>14.85 dBV/m</b>	Grid 5 <b>M4</b> <b>18.73 dBV/m</b>	Grid 6 <b>M4</b> <b>18.79 dBV/m</b>
Grid 7 <b>M4</b> <b>17.84 dBV/m</b>	Grid 8 <b>M4</b> <b>18.97 dBV/m</b>	Grid 9 <b>M4</b> <b>18.97 dBV/m</b>

**Cursor:**

Total = 18.97 dBV/m

E Category: M4

Location: -9, 25, 8.7 mm



0 dB = 8.884 V/m = 18.97 dBV/m

### #26\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch41490

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2680 MHz; Duty Cycle: 1:8.33681

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C

**DASY5 Configuration:**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test

**(101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.087 V/m; Power Drift = 0.14 dB

Applied MIF = -1.62 dB

RF audio interference level = 18.24 dBV/m

**Emission category: M4**

MIF scaled E-field

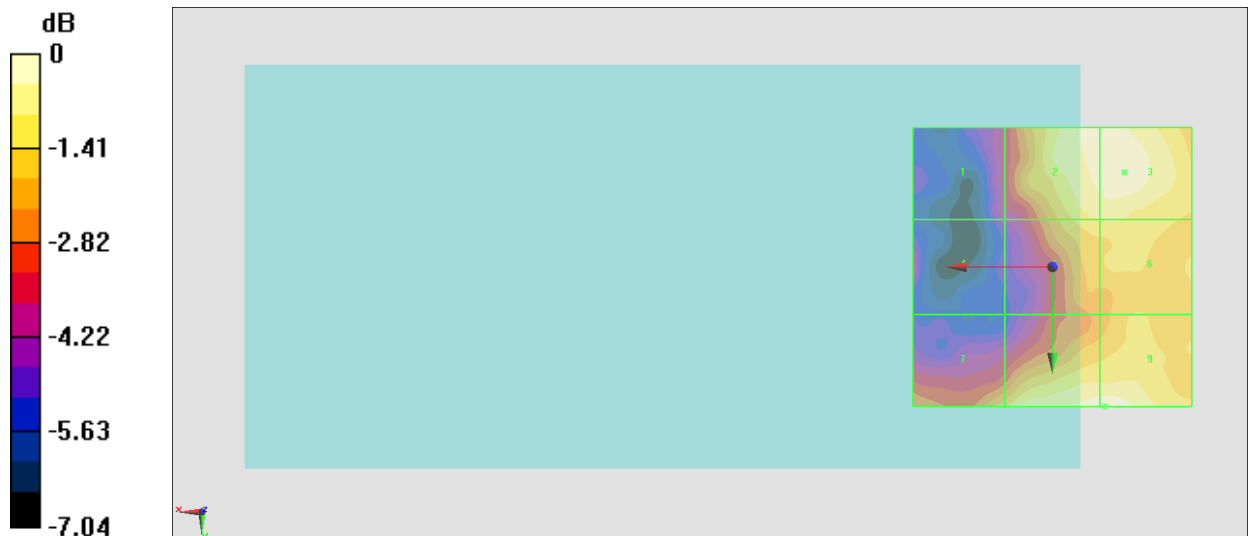
<b>Grid 1 M4</b> <b>14.72 dBV/m</b>	<b>Grid 2 M4</b> <b>17.94 dBV/m</b>	<b>Grid 3 M4</b> <b>18 dBV/m</b>
<b>Grid 4 M4</b> <b>14.52 dBV/m</b>	<b>Grid 5 M4</b> <b>17.31 dBV/m</b>	<b>Grid 6 M4</b> <b>17.39 dBV/m</b>
<b>Grid 7 M4</b> <b>16.76 dBV/m</b>	<b>Grid 8 M4</b> <b>18.21 dBV/m</b>	<b>Grid 9 M4</b> <b>18.24 dBV/m</b>

**Cursor:**

Total = 18.24 dBV/m

E Category: M4

Location: -9.5, 25, 8.7 mm



0 dB = 8.169 V/m = 18.24 dBV/m